Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID	:	CP-2018-01-03-02 **Date: 06-01-18**
Customer	:	Assistant Executive Engineer, Project division, BBMP, Bangalore.
Address	:	Project division, BBMP, Bangalore.
Project Name	:	Construction of CC roads and drains 9th main road from 3rd cross to dead end at Attur layout in Ward no.03
Agency	:	Sri. Ramesh Y. B , No.34, Down Bazaar Road, Yelahanka, Bangalore-64.
Customer's Reference	:	EE(Project)/Ynk Zone/WO/108/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-01-18
Sample ID No	:	2018-01-03-02/03
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	03-01-18
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	56	56	5.6	94.4	90-100	90-100	90-100	95-100
3	2.36 mm	179	235	23.5	76.5	60-95	75-100	85-100	95-100
4	1.18 mm	138	373	37.3	62.7	30-70	55-90	75-100	90-100
5	600 micron	44	417	41.7	58.3	15-34	35-59	60-79	80-100
6	300 micron	288	705	70.5	29.5	5-20	8-30	12-40	15-50
7	150 micron	203	908	90.8	9.2	0-10	0-10	0-10	0-15
8	Pan	92	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2018-01-03-02 Date: 06-01-18

Sample ID No : 2018-01-03-02/03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.78	–
2	Specific Gravity	2.54	–
3	Material finer than 75 micron(%)	7.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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****End of Report****

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

[illegible]	:	**CP-2018-01-16-05** **Date: 19/01/2018**
[illegible]	:	Assistant Executive Engineer, Project division, BBMP, Bangalore.
[illegible]	:	Project division, BBMP, Bangalore.
[illegible]	:	Construction of CC roads and drains 9th main road from 3rd cross to dead end at Attur layout in Ward no.03
[illegible]	:	Sri. Ramesh Y. B , No.34, Down Bazaar Road, Yelahanka, Bangalore-64.
Customer's Reference	:	EE(Project)/Ynk Zone/WO/108/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-01-18
Sample ID No	:	2018-01-16-05/01
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	12/01/2018	19/01/2018	150.32 X 150.35 X 150.32	22601	8.133	508.5	22.5	22.4
2	Drain Concrete	M20	12/01/2018	19/01/2018	150.30 X 150.39 X 150.31	22604	8.156	495.0	21.9	
3	Drain Concrete	M20	12/01/2018	19/01/2018	150.34 X 150.32 X 150.30	22599	8.142	515.3	22.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-01-13-01** **Date: 16/01/2018**
Customer	:	Assistant Executive Engineer, Project division, BBMP, Bangalore.
Address	:	Project division, BBMP, Bangalore.
Project Name	:	Construction of CC roads and drains 9th main road from 3rd cross to dead end at Attur layout in Ward no.03
Agency	:	Sri. Ramesh Y. B , No.34, Down Bazaar Road, Yelahanka, Bangalore-64.
Customer's Reference	:	EE(Project)/Ynk Zone/WO/108/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-01-18
Sample ID No	:	2018-01-13-01/07
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	09/01/2018	16/01/2018	150.22 X 150.29 X 150.32	22577	8.315	388.3	17.2	17.5
2	Drain Concrete	M20	09/01/2018	16/01/2018	150.30 X 150.25 X 150.28	22583	8.341	392.9	17.4	
3	Drain Concrete	M20	09/01/2018	16/01/2018	150.23 X 150.26 X 150.30	22574	8.323	404.1	17.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 06/02/2018

[illegible]	:	CP-2018-01-13-01
[illegible]	:	Assistant Executive Engineer, Project division, BBMP, Bangalore.
[illegible]	:	Project division, BBMP, Bangalore.
Project Name	:	Construction of CC roads and drains 9th main road from 3rd cross to dead end at Attur layout in Ward no.03
[illegible]	:	Sri. Ramesh Y. B , No.34, Down Bazaar Road, Yelahanka, Bangalore-64.
Customer's Reference	:	EE(Project)/Ynk Zone/WO/108/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-01-18
Sample ID No	:	2018-01-13-01/08
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	06/02/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	09/01/2018	06/02/2018	151.00 X 150.24 X 150.47	22686	8.147	487.8	21.5	22.3
2	Drain Concrete	M20	09/01/2018	06/02/2018	149.87 X 150.66 X 150.47	22579	8.165	521.6	23.1	
3	Drain Concrete	M20	09/01/2018	06/02/2018	150.14 X 150.98 X 151.36	22668	8.174	505.5	22.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/01/2018

Lab ID	:	CP-2018-01-13-01
Customer	:	Assistant Executive Engineer, Project division, BBMP, Bangalore.
Address	:	Project division, BBMP, Bangalore.
Project Name	:	Construction of CC roads and drains 9th main road from 3rd cross to dead end at Attur layout in Ward no.03
Agency	:	Sri. Ramesh Y. B , No.34, Down Bazaar Road, Yelahanka, Bangalore-64.
Customer's Reference	:	EE(Project)/Ynk Zone/WO/108/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-01-18
Sample ID No	:	2018-01-13-01/05
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	15/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	08/01/2018	15/01/2018	150.47 X 150.66 X 150.22	22670	8.172	396.7	17.5	17.5
2	Drain Concrete	M20	08/01/2018	15/01/2018	149.87 X 150.44 X 150.47	22546	8.198	396.8	17.6	
3	Drain Concrete	M20	08/01/2018	15/01/2018	150.44 X 150.64 X 150.66	22662	8.122	394.3	17.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 05/02/2018

[illegible]	:	CP-2018-01-13-01
[illegible]	:	Assistant Executive Engineer, Project division, BBMP, Bangalore.
[illegible]	:	Project division, BBMP, Bangalore.
[illegible] Name	:	Construction of CC roads and drains 9th main road from 3rd cross to dead end at Attur layout in Ward no.03
[illegible]	:	Sri. Ramesh Y. B , No.34, Down Bazaar Road, Yelahanka, Bangalore-64.
Customer's Reference	:	EE(Project)/Ynk Zone/WO/108/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-01-18
Sample ID No	:	2018-01-13-01/06
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	05/02/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	08/01/2018	05/02/2018	150.32 X 150.35 X 150.32	22601	8.198	485.9	21.5	21.3
2	Drain Concrete	M20	08/01/2018	05/02/2018	150.30 X 150.39 X 150.31	22604	8.147	470.2	20.8	
3	Drain Concrete	M20	08/01/2018	05/02/2018	150.34 X 150.32 X 150.30	22599	8.177	488.1	21.6	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-01-13-01** **Date: 15/01/2018**
Customer	:	Assistant Executive Engineer, Project division, BBMP, Bangalore.
Address	:	Project division, BBMP, Bangalore.
Project Name	:	Construction of CC roads and drains 9th main road from 3rd cross to dead end at Attur layout in Ward no.03
Agency	:	Sri. Ramesh Y. B , No.34, Down Bazaar Road, Yelahanka, Bangalore-64.
Customer's Reference	:	EE(Project)/Ynk Zone/WO/108/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-01-18
Sample ID No	:	2018-01-13-01/03
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	14/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	07/01/2018	14/01/2018	151.12 X 151.63 X 149.68	22914	8.211	385.0	16.8	17.0
2	Drain Concrete	M20	07/01/2018	14/01/2018	151.11 X 150.64 X 149.45	22763	8.289	391.5	17.2	
3	Drain Concrete	M20	07/01/2018	14/01/2018	148.64 X 149.76 X 150.23	22260	8.263	378.4	17.0	

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